

HELSEBY

High School



Achieving Success
Valuing Others

2022 - 2023

Year 10

Quick Guide

Preparation for

Assessment 1

Art and Photography

Students will be assessed on the application of skills and processes undertaken so far. Classes that are shared will be assessed in either project 1 or 2 or both.

Business

Topic: Quantitative skills

- Percentages
- Costs, Revenue and Profit
- Break Even

Students should use pages 17-20 in their revision guide to help them to prepare for this assessment and learn the formulas using the formula sheet they have been given in class.

Resources: <https://www.bbc.co.uk/bitesize/topics/zdnmqp3>

<https://www.businessed.co.uk/index.php/home/theory/qcse/edexcel-qcse-9-1-theory-notes-public#1-3-putting-a-business-idea-into-practice>

Computer Science

Students will be assessed on all the work completed so far and will include the following topics:

Fundamentals of data representation

- 3.3.1 Number bases (pages 38, 41)
- 3.3.2 Converting between number bases (pages 38, 41-42)
- 3.3.3 Units of Information (page 37)
- 3.3.4 Binary arithmetic (page 39)
- 3.3.5 Character encoding (page 43)
- 3.3.6 Representing images (page 44)
- 3.3.7 Representing sound (page 45)
- 3.3.8 Data compression (pages 46-48)

Computer systems

- 3.4.1 Hardware and software (page 50)
- 3.4.2 Boolean logic (pages 34-36)
- 3.4.3 Software classification (pages 57-59)
- 3.4.4 Classification of programming languages and translators (page 60)
- 3.4.5 Systems architecture (page 50-56)

Students have a full set of class notes, and each one has been given a revision book. The numbers above refer to the page reference for this.

Videos of the whole course can be found here:

https://www.youtube.com/@craigndave/playlists?view=50&shelf_id=3

Design & Technology

Students will undertake a written assessment only as practical work is ongoing.

Details of topics covered in the written assessment:

Assessment will be on the following topics from the list below, *depending on their group/teacher*:

10A/Dt1 (Mrs Owen):

1x50min written assessment on Unit 3 Materials covering:

- Unit 3.1 - Papers and boards
- Unit 3.2 – Timbers
- Unit 3.3 - Metals and alloys
- Unit 3.4 – Polymers
- Unit 3.5 - Textiles · Ongoing practical work will also be assessed

10A/Dt2 (Mrs Stewart / Mr Oliver):

1x50min written assessment on Unit 3 Materials covering just metals. Ongoing practical work will also be assessed.

10B/Dt1 (Mrs Owen / Mrs Stewart / Mr Oliver):

1x50min written assessment on Unit 3 Materials covering:

- Unit 3.1 - Papers and boards
- Unit 3.2 – Timbers
- Unit 3.3 - Metals and alloys
- Unit 3.4 – Polymers
- Unit 3.5 - Textiles · Ongoing practical work will also be assessed

DIT

Students are currently undertaking a range of coursework tasks and therefore there is no requirement for a Year 10 Assessment in this subject at this moment.

Drama

Students will also be assessed on their knowledge of the set text: 1984 and will answer exam style questions.

Students should use their books to help them revise for this assessment. Copies of 1984 can be borrowed from DS1.

English

Assessment 1: 'A Christmas Carol'

Students will be given a one-hour extract question based on their study of 'A Christmas Carol' by Charles Dickens

Assessment 2: Creative Writing

Students will be given a one-hour paper during which time they will write a piece of narrative or descriptive writing.

Enterprise and Marketing

1x 1-hour paper on the following topics: Market research, market segmentation, customer profile, design, cost and revenue.

Food Preparation & Nutrition

- 1 x 2-hour practical session where pupils make a dish they have planned in response to a set task
- 1 x 50-minute written assessment covering the topic of 'starchy carbohydrate foods' (topic area 2)

Geography

Students will be tested on the 'Landscapes of the UK' unit of work. Students will need to revise from their class exercise books and department issued revision guide. Additionally, students can make use of the online revision website, GCSEpod.

Health & Social Care

Pupils are currently (and will continue to do so throughout January) working on their first live RO35 Health Promotion Campaign NEA task in every lesson which is ongoing and will form part of their final grade. It is vital therefore they attend every lesson with it being a live ongoing assessment that contributes to their final grade.

History

Students will sit one 1 hour paper on The People's Health. All topics covered since September will be tested.

Students will use their exercise books and will be provided with revision resources by their class teacher.

All students have access to GCSE Pod and will be directed to specific revision activities using this resource in addition to those provided in class.

Maths

Higher tier

- HCF and LCM by Listing
- Simple Index Form
- Index Notation
- Exchange Rates
- Evaluate Rate Change
- Translations
- Describing Transformations
- Errors on Data Representations
- Percentage Change and Reasoning
- Combining Ratios
- Pythagoras and Reasoning
- The Equation of a Line
- Interpret Gradient in Context
- Reverse Percentage
- Expanding triple brackets
- Tree Diagram Problems
- Density and Similar Solids

Foundation tier

- Ordering and comparing negative numbers
- Equivalent ratios
- Finding Factors
- Essential Fractions, Decimals and Percentages
- Metric Conversions
- Money Problems
- Read a Pictogram
- Pictograms
- Complete a Pictogram
- Travel Timetables
- Worded Formula and Substitution
- Inverse Operations
- Impossible Events
- Probability Scales and Words
- Perimeter of a Rectangle
- Distance and Speed
- Speed
- Distance Time Graphs
- Proportion Problem Solving 1
- Rounding
- Significant Figures
- Powers, Roots and BIDMAS
- Substitution
- Proportion Recipe Questions
- Angles in Triangles and Quadrilaterals
- Drawing Straight Line Graphs
- Gradient Problems
- HCF and LCM by Listing
- Translations
- Describing Transformations

Media

Students will be assessed on the topic of Advertising and will need to revise the 2 set text adverts they have studied for their Component One exam (Quality Street and This Girl Can) one of which they will need to compare with an 'un-seen' advert. They will also need to revise subject specific terminology and relevant theory.

The first place to revise this is from their books and folders, then the Eduqas Media GCSE website (link below) and the Mrs Fisher YouTube revision videos, again, linked below:

<https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rId=950>

<http://resource.download.wjec.co.uk.s3.amazonaws.com/vtc/2016-17/gft/eduqas/mediastudies/GCSE%20media%20studies%20Glossary.pdf>

<https://www.youtube.com/watch?v=nKI1BOyaKp8>

https://www.youtube.com/watch?v=0om_gIXb0ck

<https://www.youtube.com/watch?v=k9LyEfOPNi4>

<https://www.youtube.com/watch?v=1AHO8rMioSk>

MFL

French

During the assessment, students will complete a range of reading and listening tasks and a short translation task into English. The tasks are all based on the topics of town/region and holidays. Make sure that you go over the main tenses and negatives, so that you can be sure of what the people are describing.

Revision support materials:

- Vocab booklets (sections 4 & 5)
- BBC Bitesize GCSE AQA French
- ActiveLearn - Studio 4 Active Learn tasks
- Quizlet – look up any sets on town & holidays in French

German

During the assessment, students will complete a range of reading and listening tasks and a short translation into English. The content will be drawn from the topics of free time, home and region, lifestyle including use of technology, sport, food & drink and daily routine.

During their revision, students should practise understanding and translating the 3 main tenses (past, present & future), modal verbs, subordinating conjunctions (weil, wenn, obwohl, dass), and opinions (nicht) gern, lieber, am liebsten, with reasons.

Revision support materials:

- Vocab lists & knowledge organisers
- Practice written tasks in exercise books
- Website – BBC Bitesize GCSE AQA German
- ActiveLearn - Stimmt 4 Active Learn tasks
- Quizlet – look up any sets linked to Stimmt on the topics above

Music

Music students will be assessed on their retention of information they have gathered in previous in lessons by writing an exam style essay within class. They will also be given a vocab test. Students should use their books as revision guides. All assessed information will have been covered in lessons.

Performing Arts

Students will begin their coursework in controlled conditions.

PE

Students will be assessed on:

Muscular-Skeletal System - bones, joints, muscle anatomy, muscle types, antagonistic pairs.

Physical Training - health, fitness, exercise, principles of training, methods of training, par-q.

Past papers and other resources are accessible in the PE folder in the shared area. Students should use their notes along with their textbook to revise knowledge points and access the past papers to practice recalling and applying their knowledge. It is expected that revision notes will be created by each student to support their preparation for the exam.

Religious Education

Marriage and Family (unit 1)

Christian Beliefs (unit 2)

Revision guides and resources on Show My Homework.

Science

Biology

The test will select from the following year 9 and 10 topics:

B1: Cell Biology

- Cells
- Microscopes
- Stem cells
- Mitosis
- Cancer
- Active Transport
- Diffusion

B2: Organisation

- Blood
- Heart
- Blood vessels
- Digestion
- Gas exchange
- Enzymes
- Heart Disease

B3: Bioenergetics

- Photosynthesis
- Respiration

The assessment includes work from Year 9 and Year 10.

Attached to SMHW for all groups are Knowledge Organisers, links to BBC Bitesize, and various supporting Pixl documents.

Chemistry

C1 Atomic Structure

C1 The Periodic Table

C2 Structure and Bonding.

C4 Chemical Reactions – Metal reactions, Reactions of acids.

Attached to SMHW for all groups is a Knowledge Organiser, a Knowledge checklist and a link to C1 Atomic Structure & Periodic Table topic on BBC Bitesize, Oak Academy and Keoodle

Physics

Students will be assessed on the following topics:

P4 Electric circuits (Y9 content)

1. P4.2 Current and charge
2. P4.3 Potential difference and resistance
3. P4.4 Component characteristics
4. P4.4 Component characteristics continued
5. P4.5 Series circuits
6. P4.6 Parallel circuits

P5 Electricity in the home (Y9 content)

1. P5.1 Alternating current & National Grid
2. P5.2 Cables and plugs
3. P5.3 Electrical power and potential difference
4. P5.4 Electrical currents and energy transfer
5. P5.5 Appliances and efficiency

P12 Wave properties (Y9 Content)

1. P12.1 The nature of waves
2. P12.2 The properties of waves
3. P12.3 Reflection and refraction (HT only)
4. P12.4 More about waves

P1 Conservation and dissipation of energy (Y10 Content)

1. P1.1 Changes in energy stores
2. P1.2 Conservation of energy
3. P1.3 Energy and work
4. P1.4 Gravitational potential energy stores
5. P1.5 Kinetic energy and elastic energy stores
6. P1.6 Energy dissipation
7. P1.7 Energy and efficiency
8. P1.8 Electrical appliances
9. P1.9 Energy and power

P2 Energy transfer (Y10 Content)

1. P2.1 Energy transfer by conduction
2. P2.2 Specific Heat Capacity
3. P2.3 Heating and insulating buildings

Attached to SMHW for all groups document containing revision resources:

- Knowledge Organisers
- Knowledge checklist
- Revision links / videos

Sociology

Students need to revise all parts of the following topics

- Introduction to Sociology
- Research Methods

Revision material will be given out in class and will be on show my homework.